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51298 7590 12/14/2005

**CRAWFORD MAUNU PLLC**  
**1270 NORTHLAND DRIVE**  
**SUITE 390**  
**ST. PAUL, MN 55120**

03/17/2006 BABRAHA2 00000071 502587 10629319

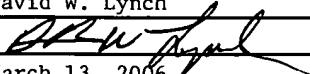
01 FC:1501 1400.00 DA  
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### Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

David W. Lynch	(Depositor's name)
	(Signature)
March 13, 2006	
(Date)	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,319	07/29/2003	Hardayal Singh Gill	HSJ920030016US1	6577 (HITG 023)

**TITLE OF INVENTION:** METHOD AND APPARATUS FOR ENHANCING THERMAL STABILITY, IMPROVING BIASING AND REDUCING DAMAGE FROM ELECTROSTATIC DISCHARGE IN SELF-PINNED ABUTTED JUNCTION HEADS HAVING SELF-PINNED LAYER EXTENDING UNDER THE HARD BIAS LAYERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	NO	\$1400	\$300	\$1700	03/14/2006
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EXAMINER	ART UNIT	CLASS-SUBCLASS
HEINZ, ALLEN J	2653	360-324110

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.	Chambliss, Bahner & Stophel, P.C.
<input checked="" type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.		2 <u>David W. Lynch</u>
<input checked="" type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		3 _____

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

**(A) NAME OF ASSIGNEE**

Hitachi Global Storage Technologies  
Netherlands B.V.

**(B) RESIDENCE: (CITY and STATE OR COUNTRY)**

The Netherlands

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

**4a. The following fee(s) are enclosed:**

Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies 1

**4b. Payment of Fee(s):**

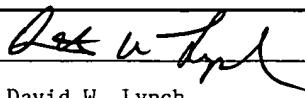
A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-2587 (enclose an extra copy of this form).

**5. Change in Entity Status (from status indicated above)**

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_



Date March 13, 2006

Typed or printed name David W. Lynch

Registration No. 36,204

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gill, et al. Examiner: Heinz, A.  
Serial No.: 10/629,319 Group Art Unit: 2653  
Filed: 07/29/2003 Docket No. HSJ9 2003-0016US1  
(0600)  
Title: METHOD AND APPARATUS FOR ENHANCING THERMAL  
STABILITY, IMPROVING BIASING AND REDUCING DAMAGE  
FROM ELECTROSTATIC DISCHARGE IN SELF-PINNED  
ABUTTED JUNCTION HEADS HAVING SELF-PINNED LAYER  
EXTENDING UNDER THE HARD BIAS LAYERS

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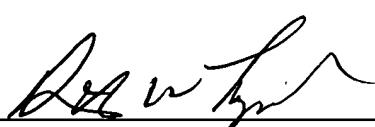
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Alexandria, VA 22313-1450  
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet
- Please charge Deposit Account No. 50-2587 (HSJ9 20030016US1) the amount of \$1,400.00 for the Issue Fee, \$300.00 for the Publication Fee and \$3.00 for patent copy fee).
- Part B-Issue Fee Transmittal.
- "Fee Address" Indication Form.
- If appropriate, charge Deposit Account No. 50-2587 (HSJ9 20030016US1) for any fee deficiency or overage.

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers.

Chambliss, Bahner & Stophel, P.C.  
1000 Tallan Building  
Two Union Square  
Chattanooga, Tennessee 37402  
423-757-0264 • fax 423-508-0264

By:   
Name: David W. Lynch  
Reg. No.: 36,204